

AMENDMENTS TO THE CLAIMS**We claim:**

1. (currently amended) A polyamide whose main chain comprises chemically bound 1-amino-2-R-cyclopent-1-ene ~~is, where~~ wherein R is a functional group capable of combining with an amino group to form an amide group.
2. (original) The polyamide according to claim 1 wherein R is selected from the group consisting of carboxylic acid, carboxylic ester, carboxylic amide and nitrile.
3. (original) The polyamide according to claim 1 wherein R represents nitrile.
4. (original) The polyamide according to claim 1 wherein R represents carboxylic acid.
5. (original) The polyamide according to claim 1 wherein R represents carboxylic ester.
6. (original) The polyamide according to claim 5 wherein R represents a carboxylic ester selected from the group consisting of methyl ester, ethyl ester, n-propyl ester, i-propyl ester, n-butyl ester, s-butyl ester, i-butyl ester and t-butyl ester.
7. (original) The polyamide according to claim 1 wherein the main chain of said polyamide comprises chemically bound 2-methyl-1,5-diaminopentane.
8. (currently amended) The polyamide according to ~~any of claims 1 to 7~~ claim 1, wherein the main chain of said polyamide comprises chemically bound 1-amino-2-R-cyclopent-1-ene ~~is, where~~ wherein R is a functional group capable of combining with an amino group to ~~form an amide group,~~ present at a level in the range from 0.001 mol% to 2 mol%, based on 1 mol of acid amide groups of said polyamide.
9. (currently amended) A process for preparing a polyamide, which comprises converting monomers suitable for forming a polyamide ~~into a polyamide~~ in the presence of 1-amino-

2-R-cyclopent-1-ene, where R is a functional group ~~capable of combining with an amino group to form an amide group~~, according to ~~any of claims 1 to 8~~ claim 2.

10. (currently amended) A process for preparing a polyamide, which comprises converting oligomers suitable for forming a polyamide into a polyamide in the presence of 1-amino-2-R-cyclopent-1-ene, where R is a functional group ~~capable of combining with an amino group to form an amide group~~, according to ~~any of claims 1 to 8~~ claim 2.
11. (currently amended) Fibers, films and moldings comprising a polyamide ~~as per any of claims 1 to 8~~ according to claim 1.
12. (new) A process for preparing a polyamide, which comprises converting monomers suitable for forming a polyamide in the presence of 1-amino-2-R-cyclopent-1-ene, where R is a functional group selected from the group consisting of carboxylic acid, carboxylic ester, carboxylic amide and nitrile, and the main chain of said polyamide comprises chemically bound 1-amino-2-R-cyclopent-1-ene wherein R is present at a level in the range from 0.001 mol% to 2 mol%, based on 1 mol of acid amide groups of said polyamide.
13. (new) A process for preparing a polyamide, which comprises converting oligomers suitable for forming a polyamide in the presence of 1-amino-2-R-cyclopent-1-ene, where R is a functional group is selected from the group consisting of carboxylic acid, carboxylic ester, carboxylic amide and nitrile and the main chain of said polyamide comprises chemically bound 1-amino-2-R-cyclopent-1-ene wherein R is present at a level in the range from 0.001 mol% to 2 mol%, based on 1 mol of acid amide groups of said polyamide.
14. (new) A polyamide whose main chain comprises chemically bound 1-amino-2-R-cyclopent-1-ene wherein R is selected from the group consisting of carboxylic acid, carboxylic ester, carboxylic amide and nitrile, and R is present at a level in the range from 0.001 mol% to 2 mol%, based on 1 mol of acid amide groups of said polyamide.
15. (new) The polyamide according to claim 14 wherein R represents nitrile.

16. (new) The polyamide according to claim 14 wherein R represents carboxylic acid.
17. (new) The polyamide according to claim 14 wherein R represents carboxylic ester.